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专业制合作条约

PCT

专利性国际初步报告 (PCT 第II章) (PCT36 和细则 70)

REC'D	0	2	NOV	2004
WIPO				PCT

申请人或代理人的档案与 IEC030034PC		参见 PCT/IPEA/416	表
国际中身号	国际申请日(日/月	/年) 优	先权日 <i>(</i> 日/月/年 <i>)</i>
PCT/CN03/010	05.12 月 2003	•	05.12月2002(05.12.2002)
国际专利分类(IPC)或者	国家分类和 IPC 两种分类	_	
IPC(7) A6iK31/37, C07D	9311/20, A61P13/12, 3/10, 9/10, 9/1	2, 35/00	
申请人 中国医学科等	学院药物研究所 等		
1. 本报告是国际初步	审查单位根据条约 35 做出的国际	初步审査报告,并依	照条约 36 将其传送给申请人。
2. 本报告共计_3页	〔,包括扉页 。		
3. 🛛 本报告还有附	件,		
	国际局和申请人)共计 <u>3</u> 页,包含的并且你为本界先某种的说明书		· 修小军和/击队的战功者 毛小动动
	国际初步审查单位所做出的更正页 国际初步审查单位所做出的更正页		修改页和/或附图修改页,和/或对 和行政规程 607)。
□国际初	7步审查单位认为修改超出原始公	开范围的废除页,参	见第 I 栏第 4 项和补充栏。
	•	•	,包含有在与序列表有关的补充栏中
指明的计算机可读形式的	的序列表和/或与其相关的表格。(行政规程 802)	
3. 本报告包括关于下列	—————————————————————————————————————		
I 🛛 报告的基础	础		
, Ⅱ □ 优先权			
Ⅲ □ 不做出关	于新颖性、创造性和工业实用性的		
IV 🗌 缺乏发明的	的单一性		
V 図 按条约 35	(2)关于新颖性、创造性或工业实	用性的推断性意见;	支持这种意见的引证和解释
VI 🔲 引用的某	些文件		
VII 🔲 国际申请·	中的某些缺陷		
VIII 🗌 对国际申	请的某些意见		
提交要求书的日期		完成本报告的日期	
05.7 月 2	2004 (05.07.2004)	11.10	月 2004(11.10.2004)
中华人民共和国国际知 中国北京市海河	识产权局 IPEA/CN E区西土城路 6 号(100088)	受权官员	印刻
传真号: (86-10)6201945	51	电话号码 (86-10)	62085256



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PCT/CN03/01046

I. 报台	- - - - - - - - - - - - - - - - - - -					
		,除本项下另有说明外 原始语言的使用后述语				听使用的语言。
:	这种语言是					
		检索而提交的译文所使				
		申请的公布而提交的译 初步审查而提交的译文				
2. 关于		个部分,本报告基于(印				交的替换页,在本报
告中视为		的文件,不作为本报告				
	说明书,	第 1-56	页	原始提交的,		
		第				初审单位收到的,
		第	页			初审单位收到的。
	权利要求,	第				
		第		-	• • • • • • • • • • • • • • • • • • • •	
				23.9 月 2004 提交	と的	
	7/1.053	第	页			初审单位收到的。
4	附图,	第页,原始			عادروا عد مام سام	-714k
ļ		第页*, 第 页*,			初甲単位収 初审单位收	
	序列表和/司		列表有关的	· · · · · · · · · · · · · · · · · · ·	初甲甲位収	到的。
) 0 PC 13) CR	• 11 7 G E • •		
3. 修改	女导致以下内容 说明书,	¥的删除: 第				
			····		页	
	权利要求,	第	1-2		项	
	附图,	第 	页,	图		
	序列表(具体	<i>本说明)</i>				•
	与序列表相关	长的表格 <i>(具体说明)</i>				
		-		· · · · · · · · · · · · · · · · · · ·		
4.	由于本报告附	ł件的(某些)修改,如下所	例,被认为	7超出了原始公开的	拉围,如补充栏所	示,因此本报告是
	按照没有修	改的情况做出的(细则 70	.2(c))。			
	□ 说明书。	第		页		
	□ 权利要:	·····································		— 项		
	□ 附图,		页,图			
		(具体说明)	火,国			
		表相关的 表格(具体说 明	B)			
		以归入印水馆(天平瓦)	a)			
* frr 133 600	7. 循连甲 → ●	· · · · · · · · · · · · · · · · · · ·	# 175 17A 22 1-	·		
一 "	,4 坝迫用,一些	的文件页可能做出	发陈"称	K.		

PCT/IPEA/409 表(第I栏)(2004 年 1 月)



国际申请号

PCT/CN03/01046

意见 新颖性(N)	权利要求 权利要求	
创造性(IS)	权利要求 权利要求	
工业实用性(IA)	权利要求 1-18	
引证和解释(细则	权利要求	

化合物的制剂,并且不能推出其制剂所具有的用途。因此权利要求 1-18 具有新颖性和创造性,符合 PCT 条约第 33(2)、(3)的要求。

权利要求 1-18 具备实用性。这里所述的化合物、组合物是可以在产业中制备和使用的,符合 PCT 条约第 33 (4) 要求的实用性。

权 利 要 求 (修改)

1. 一种如通式(I)所示的化合物

$$R_5$$
 R_4
 R_3
 R_7
 R_8
 R_8

其特征在于,

其中 R_9 选自 C_2 — C_8 脂肪酸, 苯甲酰氨基, 异烟酰氨基,未取代、 单取代或多取代的苯基,苯环上的取代基可以为OH, C_1 — C_8 烷氧基, CF_3 , 羧基,酯基, OCH_2CO_2H , NO_2 , 卤素, SO_3H , SO_2NHR_{11} ,

其中R₁₁选自H,脒基, 2"-噻唑基, 3"-(5"-甲基异噁唑基), 2"-嘧 啶基, 2"-(4",6"-二甲基嘧啶基), 4"-(5",6"-二甲氧基嘧啶基);

 R_4 选自H, CONH R_{10} , R_{10} 选自 C_2 — C_8 脂肪酸, 苯甲酰氨基, 异烟酰氨基, 未取代、单取代或多取代的苯基, 苯环上的取代基可以为OH, C_1 — C_8 烷氧基, CF_3 , 羧基, 酯基, OCH_2CO_2H , NO_2 , 卤素, SO_3H , SO_2NHR_{12} , 其中 R_{12} 为脒基, 2"-噻唑基, 3"-(5"-甲基异噁唑基), 2"-嘧啶基, 2"-(4",6"-二甲基嘧啶基), 4"-(5",6"-二甲氧基嘧啶基);

R₅选自H, C₁—C₄ 的烷基;

−57*−*

IEC030034

R₆选自H, C₁—C₁₂ 的烷基, 卤素, NO₂ , CONHR₁₃, 其中R₁₃ 选自取代苯基;

R₇选自H, OH, C₁—C₄烷基, 烷氧基, 羧基烷氧基, OCH₂CONHR₁₄, 其中R₁₄为未取代、单取代、多取代苯基, 苯环上的取代基可以是 OH, OCH₃, CF₃, CO₂H, CO₂C₂H₅, NO₂;

R₈选自H, C₁---C₄ 烷基, C₁---C₄烷氧基, NO₂;

条件是,当 R_3 , R_5 和 R_5 皆为H且 R_7 为OH时,R4和R7不为选自H, C_{1-6} 烷基或 C_{1-6} 烷氧基的基团。

2. 根据权利要求1所述的化合物, 其特征在于,

R₄选自H, CONHR₁₀, R₁₀为H, 4-COOH-苯基, 4-CO₂C₂H₅-苯基, 3-CF₃-苯基;

R₅选自H, CH₃;

R₆选自H, C₂H₅, n-C₆H₁₃, NO₂, NH₂, Cl, Br, CONHR₁₃, 其中R₁₃为4-苯甲酸和4-苯甲酸乙酯;

R₇选自H, OH, CH₃, OCH₃, OCH₂CONHR₁₄, 其中R₁₄为苯基, o-, m-, p-羟基苯基, o-, m-, p-羧基苯基, 4'-乙氧羰基苯基, 3'-

乙氧羰基苯基,3'-三氟甲基苯基,3'-三氟甲基,4'-硝基,苯基,4'-甲氧苯基,4'-水杨酸基,3'-水杨酸基;

R₈选自H, CH₃, OCH₃, NO₂;

条件是,当 R_3 , R_5 和 R_5 皆为H且 R_7 为OH时,R4和R7不为选自H, C_{1-6} 烷基或 C_{1-6} 烷氧基的基团。

3. 根据权利要求 1 所述的化合物,其特征在于,如通式 (Ia) 所示

Ia

其中, R_4 、 R_5 、 R_6 、 R_7 、 R_8 的定义同权利要求 1 相同,

4. 根据权利要求1所述的化合物,其特征在于,如通式(Ib)所示

Ib

其中 R_4 、 R_5 、 R_6 、 R_7 、 R_8 的定义同权利要求 1 相同;

Translation



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	W	PO				PCT	

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

	(PCT Afficie 30 au	id Rule 70)
pplicar's or agent's file refe	rence FOR FURTHER ACTIO	
iternations application No.	International filing date (da	y/month/year) Priority date (day/month/year)
rCi/UN03/01046		
	tion (IPC) or national classification and IP	
C(7) A61 K31/37, C07D3	11/20, A61P13/12, 3/10, 9/10, 9/12, 35	/00
Applicant INSTITUTE OF MATERIA I	MEDICA, CHINESE ACADEMY OF ME	DICAL SCIENCES et. al.
This report is the intern under Article 35 and tra	ational preliminary examination report, es ansmitted to the applicant according to Art	tablished by this International Preliminary Examining Authority icle 36.
2. This REPORT consists	of a total of 3	sheets, including this cover sheet.
	mpanied by ANNEXES, comprising:	
	1	total of 3 sheets, as follows:
sheets of sheets co	ntaining rectifications authorized by this A	which have been amended and are the basis of this report and/or Authority (see Rule 70.16 and Section 607 of the Administrative
the discl Box.	osure in the international application as f	nis Authority considers contain an amendment that goes beyond iled, as indicated in item 4 of Box No. I and the Supplemental
• • • •	. 1::d/o toblec related	the type and number of electronic carrier(s)) thereto, in computer readable form only, as indicated in the ection 802 of the Administrative Instructions).
4. This report contains	indications relating to the following items:	
Box No. I	Basis of the report	
☐ Box No. II	Priority	
Box No. III	Non-establishment of opinion with regard	d to novelty, inventive step and industrial applicability
☐ Box No. IV	Lack of unity of invention	
☐ Box No. V	Reasoned statement under Article 35(2) w	ith regard to novelty, inventive step or industrial applicability;
_	citations and explanations supporting such	
☐ Box No. VI	Certain documents cited	
☐ Box No. VII	Certain defects in the international applic	cation
Box No. VIII	Certain observations on the internationa	1 application
	Jamond	Date of completion of this report
Date of submission of the	· donimic	11.OCT.2004 (11.10.2004)
05.30	L.2004 (05.07.2004)	
Name and mailing address 6 Xitucheng Rd., Jimen E 100088 Beijing, China	s of the IPEA/CN Bridge, Haidian District,	Authorized officer LI Gang
Facsimile No. 86-10-62	2019451	Telephone No. 86-10-62085256
· ·	or sheet) (January 2004)	



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/CN03/01046

	Basis o	the report		
. With a	regard to th	e language, this report is based on the international under this item.	onal application in the language in	which it was filed, unless
	This report	s based on translations from the original langua clanguage of a translation furnished for the pur	ge into the following language poses of:	,
		ational search (under Rules 12.3 and 23.1(b))		
		ation of the international application (under Ru	le 12.4)	
		ational preliminary examination (under Rules 5		
to th	n regard to the receiving exed to this	he elements of the international application, thi Office in response to an invitation under Article report):	s report is based on (replacement s	heets which have been furnished s "originally filed" and are not
		tional application as originally filed/furnished		
\boxtimes	the descri			as originally filed/furnished
	pages	1-56	received by this Authority on	as originary mod zaminin
	pages *		received by this Authority on	
	pages *			-
\boxtimes	the claims	:		as originally filed/furnished
	pages		and to gother wi	as originally mediumshed th any statement)under Article 19
	pages *			23.Sep.2004
	pages *	57-59	received by this Authority on	23.505.200
	pages *		10001V60 by mis Adminity on	
	the drawi	ngs:		
_	pages			as originally filed/furnished
	pages *		_ received by this Authority on	
	pages *		received by this Authority on	
_		ce listing and/or any related table(s) - see Suppl	emental Box Relating to Sequence	Listing.
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3. 🏿	The am	endments have resulted in the cancellation of:		
3. 🗵	-			_
3. 🗵	t	e description, pages		
3. 🖾	_ th ⊠ th	e description, pages e claims, Nos. 1-2		
3. ⊠		e description, pages e claims, Nos. 1-2 de drawings, sheets/figs		
3. ⊠		e description, pages e claims, Nos. 1-2		
3. 🗵		e description, pages e claims, Nos. 1-2 de drawings, sheets/figs		
3. 🖾	-	e description, pages e claims, Nos. 1-2 de drawings, sheets/figs e sequence listing (specify):	endments annexed to this report and	l listed below had not been made
	tt	e description, pages le claims, Nos. 1-2 le drawings, sheets/figs le sequence listing (specify): my table(s) related to sequence listing (specify): ort has been established as if (some of) the ame ley have been considered to go beyond the disclaim.	endments annexed to this report and osure as filed, as indicated in the S	l listed below had not been made
	this rep	e description, pages e claims, Nos. 1-2 de drawings, sheets/figs ne sequence listing (specify): ny table(s) related to sequence listing (specify): ort has been established as if (some of) the ame ey have been considered to go beyond the disclude the description, pages	endments annexed to this report and osure as filed, as indicated in the S	l listed below had not been made upplemental Box (Rule 70.2(c)).
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International application No. PCT/CN03/01046

INTERNATIONAL PRELIMINARY		101/01	1000
ox No. V Reasoned statement under	Article 35(2) with regard to nove	lty, inventive step or industrial a	pplicability;
citations and explanations	supporting such statement		
. Statement: Novelty (N)			3.70
Inventive step (IS)			270
Industrial applicability (IA)			370
2. Citations and explanations (Rule 70.	7)		
D1:CN1207392A; D2: US6407073E	31; D3: US5723476A		ه د د د سید
D1,D2 and D3 don't disclosed the comp cannot obtain the use of them. So, cl Claim1-18 meet the request of PCT industrial applicability.	aims 1-18 meet the criteria set out	in PC1 Article 33 (2) and 33 (3).	
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